IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered). Please AMEND claims 13-24, add NEW claims 42-46, and CANCEL claims 25-41 without prejudice to or disclaimer of the subject matter recited therein, in accordance with the following:

1. (ORIGINAL) A data storage medium comprising:

main data including audio data and/or video data;

sub data recorded in a separate bitstream from the main data and reproduced in synchronization with the main data; and

navigation information defining a relation required for the main data and the sub data to be output in synchronization with each other.

2. (ORIGINAL) The data storage medium of claim 1, further comprising extra data recorded in a separate bitstream from the main data and the sub data and reproduced in connection with the main data,

wherein the navigation information further defines a relation required for the main data and the extra data to be output in connection with each other.

3. (ORIGINAL) The data storage medium of claim 2, wherein the main data are received and encoded by an internal encoder or are input through a digital interface and recorded.

4. (ORIGINAL) The data storage medium of claim 2, wherein the sub data and/or the extra data are received and encoded by an internal encoder or are input through the digital interface and recorded.

5. (ORIGINAL) A recording method comprising:

(a) recording main data including audio data and/or video data;

(b) recording sub data to be reproduced in synchronization with the main data in a separate bitstream from the main data; and

(c) recording navigation information defining a relation required for the main data and the sub data to be reproduced in synchronization with each other.

6. (ORIGINAL) The recording method of claim 5, further comprising:

(d) recording extra data to be reproduced in connection with the main data in a separate bitstream from the main data and the sub data; and

(e) recording navigation information defining a relation required for the main data and the extra data to be output in connection with each other.

7. (ORIGINAL) The recording method of claim 5, wherein step (a) comprises:

(a1) receiving the main data through a digital interface; and

(a2) recording the received main data.

8. (ORIGINAL) The recording method of claim 5, wherein step (a) comprises:

(a1) receiving the main data as analog signal,

(a2) encoding the received main data; and

(a3) recording the encoded main data.

9. (ORIGINAL) The recording method of claim 5, wherein step (b) comprises:

(b1) receiving the sub data through the digital interface; and

(b2) recording the received sub data.

10. (ORIGINAL) The recording method of claim 5, wherein step (b) comprises:

(b1) receiving the sub data as analog signal,

(b2) encoding the received sub data; and

(b3) recording the encoded sub data.

11. (ORIGINAL) The recording method of claim 6, wherein step (c) comprises:

(c1) receiving the extra data through the digital interface; and

(c2) recording the received extra data.

12. (ORIGINAL) The recording method of claim 6, wherein step (c) comprises:

(c1) receiving the extra data as analog signal,

(c2) encoding the received extra data; and

(c3) recording the encoded extra data.

13. (CURRENTLY AMENDED) A reproducing method comprising:

(a) reading main data including audio data and/or video data;

(b) reading sub data recorded in a separate bitstream from the main data, which is ~~later~~ reproduced in synchronization with the main data; and

(c) ~~multiplexing~~mixing the read main data and the read sub data.

14. (CURRENTLY AMENDED) The reproducing method of claim 13, further comprising (d1) outputting the ~~multiplexed~~ mixed main data and sub data through a digital interface.

15. (CURRENTLY AMENDED) The reproducing method of claim 13, further comprising (d2) decoding the ~~multiplexed~~ mixed main data and sub data.

16. (CURRENTLY AMENDED) The reproducing method of claim 13, wherein step (c) comprises:

(c1) reading navigation information defining a relation required for the read main data and sub data to be reproduced in synchronization with each other; and

(c2) ~~multiplexing~~mixing the read main data and the read sub data based upon the navigation information.

17. (CURRENTLY AMENDED) A reproducing method comprising:

(a) reading main data including audio data and/or video data;

(b) reading sub data recorded in a separate bitstream from the main data, which is ~~later~~ reproduced in synchronization with the main data;

(c) reading extra data recorded in a separate bitstream from the main data and the sub data, which is ~~later~~ reproduced in connection with the main data; and

(d) ~~multiplexing~~mixing the read main data, the read sub data, and the read extra data.

18. (CURRENTLY AMENDED) The reproducing method of claim 17, further comprising (e1) outputting the ~~multiplexed~~ mixed main data, sub data, and extra data through a digital interface.

19. (CURRENTLY AMENDED) The reproducing method of claim 17, further comprising (e2) decoding the mixed ~~multiplexed~~ main data, sub data, and extra data.

20. (CURRENTLY AMENDED) The reproducing method of claim 17, wherein step (d) comprises:

(d1) reading navigation information defining a relation required for the read main data and sub data to be reproduced in synchronization with each other and for the read main data and extra data to be reproduced in connection with each other; and

(d2) ~~multiplexing~~mixing the read main data, the read sub data, and the read extra data based upon the navigation information.

21. (CURRENTLY AMENDED) A reproducing method comprising:

(a) reading sub data recorded in a separate bitstream from main data including audio data and/or video data, which is ~~later~~ reproduced in synchronization with the main data;

(b) reading extra data recorded in a separate bitstream from the main data and the sub data, which is ~~later~~ reproduced in connection with the main data; and

(c) ~~multiplexing~~mixing the read sub data and the read extra data.

22. (CURRENTLY AMENDED) The reproducing method of claim 21, further comprising (d1) outputting the mixed ~~multiplexed~~ sub data and extra data through a digital interface.

23. (CURRENTLY AMENDED) The reproducing method of claim 21, further comprising (d2) decoding the mixed ~~multiplexed~~ sub data and extra data.

24. (CURRENTLY AMENDED) The reproducing method of claim 21, wherein step (c) comprises:

(c1) reading navigation information defining a relation required for the read sub data and extra data to be reproduced in connection with each other; and

(c2) ~~multiplexing~~mixing the read sub data and the extra data based upon the navigation information.

Claims 25-41 (CANCELLED).

42. (NEW) The data storage medium of claim 1, wherein the navigation data comprises identifiers for the main data and playback time information for the sub data corresponding to the main data.

43. (NEW) The recording method of claim 5, wherein the navigation data comprises identifiers for the main data and playback time information for the sub data corresponding to the main data.

44. (NEW) The reproducing method of claim 16, wherein the navigation data comprises identifiers for the main data and playback time information for the sub data corresponding to the main data.

45. (NEW) The reproducing method of claim 20, wherein the navigation data comprises identifiers for the main data and playback time information for the sub data and/or the extra data corresponding to the main data.

46. (NEW) The reproducing method of claim 24, wherein the navigation data comprises playback time information for the sub data and the extra data corresponding to the main data.